

RAW SEQUENCE LISTING

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Application Serial Number: 10/579,338
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PATENT APPLICATION: US/10/579,338

DATE: 03/13/2007

TIME: 16:47:14

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 2 Yasuhiro NISHIDA et al.
 3 <120> TITLE OF INVENTION: NOVEL CAROTENOID HYDROXYLASE GENE, METHOD FOR PREPARING
 HYDROXYLATED
 4 CAROTENOID, AND NOVEL GERANYLGERANYL PYROPHOSPHATE SYNTHASE
 5 <130> FILE REFERENCE: 3749-0111PUS1
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 7 <141> CURRENT FILING DATE: 2006-05-15
 8 <150> PRIOR APPLICATION NUMBER: JP 2003/388165
 9 <151> PRIOR FILING DATE: 2003-11-26
 10 <150> PRIOR APPLICATION NUMBER: JP 2004/165919
 11 <151> PRIOR FILING DATE: 2004-06-03
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sel R^b

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219	1 5 10	
220	atc atc ggc ctg cgc tat ctg ctg gtc ggc ggc ggc cat ggg ctg	10837
221	Ile Ile Gly Leu Arg Tyr Leu Leu Val Gly Ala Ala Ala His Gly Leu	
222	15 20 25 30	
223	ctg tgg gcc ggg ggc ggc cggtt gga cgg gcg ctg aac ctg cgg ccg ccg	10885
224	Leu Trp Ala Gly Ala Gly Arg Gly Arg Ala Leu Asn Leu Arg Pro Pro	
225	35 40 45	
226	gcg atg aag cgc atc cgc gcc gag atc gtc gcc tcc ctg atc gcc tgc	10933
227	Ala Met Lys Arg Ile Arg Ala Glu Ile Val Ala Ser Leu Ile Ala Cys	
228	50 55 60	
229	ccc atc tac gcc ctg ccg ggc ctg gtg ctg gag ctg tgg aag cgg	10981
230	Pro Ile Tyr Ala Leu Pro Ala Ala Leu Val Leu Glu Leu Trp Lys Arg	
231	65 70 75	
232	ggc ggg acg gcg atc tac agc gat ccc gac gcc tgg ccc ctg tgg tgg	11029
233	Gly Gly Thr Ala Ile Tyr Ser Asp Pro Asp Ala Trp Pro Leu Trp Trp	
234	80 85 90	
235	ctg ccg gtc agt ctg atc gtc tat ctg ctg ggc cac gac gcc ttc tac	11077
236	Leu Pro Val Ser Leu Ile Val Tyr Leu Leu Ala His Asp Ala Phe Tyr	
237	95 100 105 110	
238	tac tgg gtg cac agg gcc ctg cat cac ccg cgc gtc ttc ggc tgg gcc	11125
239	Tyr Trp Val His Arg Ala Leu His His Pro Arg Val Phe Gly Trp Ala	
240	115 120 125	
241	cat gcc gaa cac cac ccg tcg cgc gac ccc agc gcc ttc gcc tcc ttc	11173

KYI

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 03/13/2007
PATENT APPLICATION: US/10/579,338 TIME: 16:47:15

Input Set : N:\Crf4\03082007\K579338.raw
Output Set: N:\CRF4\03132007\J579338.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:37; N Pos. 9,12,15,18

Seq#:38; N Pos. 3,9,12,15,18

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 3

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/579,338

DATE: 03/13/2007

TIME: 16:47:15

Input Set : N:\Crf4\03082007\R579338.raw

Output Set: N:\CRF4\03132007\J579338.raw

L:6 M:270 C: Current Application Number differs, Replaced Current Application Number

L:828 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0

L:857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0